

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

- 1 1. (Currently amended): A method of communicating information received
2 during a multimedia presentation, comprising:
3 providing an adapter comprising a transceiver;
4 receiving, at the adapter, at least one of video information or audio information
5 from a first system, the at least one of video information or audio information generated from a
6 presentation file;
7 receiving, at the adapter, at least one of audio or video information from a capture
8 device, the information captured by the capture device during the multimedia presentation;
9 differencing between a first video frame and a second video frame, at the adapter,
10 of the video information received from the first system or the capture device;
11 selecting based on the differencing, at the adapter, a set of one or more keyframes
12 from the video information received from the first system or the capture device in response to a
13 user-configurable threshold; and
14 communicating, from the adapter using the transceiver, one or more keyframes
15 from the set of keyframes.

1 2. (Previously presented): The method of claim 1:
2 further comprising synchronizing the audio information received at the adapter
3 with the selected set of keyframes.

1 3. (Previously presented): The method of claim 1 further comprising:
2 storing the set of keyframes in a memory coupled to the adapter.

1 4. (Previously presented): The method of claim 3 further comprising:

2 receiving, at the adapter, a request from a device requesting transmission of a first
3 portion of the set of keyframes;
4 in response to the request, determining the first portion of the set of keyframes
5 requested by the device and corresponding audio information; and
6 transmitting the first portion of the set of keyframes and corresponding audio
7 information to the device.

1 5. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of information received by the adapter from the
3 first system.

1 6. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of information received by the adapter from the
3 capture device.

1 7. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of audio information received by the adapter.

1 8. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of video information received by the adapter.

1 9. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of audio or video information received by the
3 adapter from the first system and the capture device between a start time and an end time.

1 10. (Currently amended): The method of claim 1 further comprising:
2 processing, at the adapter, the information received from the first system and the
3 information received from the capture device to generate a first representation;
4 wherein communicating the information from the adapter further comprises
5 transmitting at least a portion of the first representation from the adapter;

6 wherein processing the information received from the first system and the
7 information received from the capture device to generate the first representation comprises:
8 selecting a plurality of video frames from video information received by the
9 adapter;
10 synchronizing the plurality of video frames with audio information received by
11 the adapter; and
12 storing information related to the plurality of video frames.

1 11. (Previously presented): The method of claim 10:
2 wherein processing the information received from the first system and the
3 information received from the capture device to generate the first representation further
4 comprises:
5 generating a web page for each video frame in the plurality of video frames, each
6 web page including a video frame;
7 assigning a uniform resource locator (URL) to each web page; and
8 wherein transmitting at least a portion of the first representation comprises
9 transmitting at least one URL assigned to a web page.

1 12. (Previously presented): The method of claim 11 wherein transmitting at
2 least a portion of the first representation comprises:
3 receiving, at the adapter, a request from a device identifying a first URL;
4 in response to the request, determining a first web page corresponding to the first
5 URL; and
6 transmitting the first web page to the device.

1 13. (Currently amended): The method of claim 1 wherein selecting the set of
2 one or more keyframes in response to the user-configurable threshold comprises selecting frames
3 of video at a predetermined sampling interval.

1 14. (Currently amended): A computer program product stored on a computer
2 readable medium and executed by an adapter for communicating information received during a
3 multimedia presentation, comprising:
4 code for receiving information from a first system, the information comprising at
5 least one of video information or audio information generated from a presentation file;
6 code for receiving at least one of audio or video information from a capture
7 device, the at least one of audio or video information captured by the capture device during the
8 multimedia presentation;
9 code for differencing between a first video frame and a second video frame of the
10 video information received from the first system or the capture device;
11 code for selecting based on the differencing, at the adapter, a set of one or more
12 keyframes from the video information received from the first system or the capture device in
13 response to a user-configurable threshold; and
14 code for communicating one or more keyframes from the set of keyframes.

1 15. (Previously presented): The computer program product of claim 14:
2 further comprising code for synchronizing the audio information received at the
3 adapter with the selected set of keyframes.

1 16. (Previously presented): The computer program product of claim 14
2 further comprising:
3 code for storing the set of keyframes in a memory coupled to the adapter.

1 17. (Previously presented): The computer program product of claim 16
2 further comprising:
3 code for receiving at the adapter a request from a device requesting transmission
4 of a first portion of the set of keyframes;
5 in response to the request, code for determining the first portion of the set of
6 keyframes requested by the device and corresponding audio information; and

7 code for transmitting the first portion of the set of keyframes and corresponding
8 audio information to the device.

1 18. (Previously presented): The computer program product of claim 17
2 wherein the request received from the device requests transmission of information received from
3 the first system.

1 19. (Previously presented): The computer program product of claim 17
2 wherein the request received from the device requests transmission of information received from
3 the capture device.

1 20. (Previously presented): The computer program product of claim 17
2 wherein the request received from the device requests transmission of audio information received
3 from the first system and the capture device.

1 21. (Previously presented): The computer program product of claim 17
2 wherein the request received from the device requests transmission of video information received
3 from the first system and the capture device.

1 22. (Previously presented): The computer program product of claim 17
2 wherein the request received from the device requests transmission of audio or video information
3 received from the first system and the capture device between a start time and an end time.

1 23. (Previously presented): The computer program product of claim 14
2 further comprising code for processing the information received from the first system and the
3 information received from the capture device to generate a first representation;

4 wherein the code for communicating further comprises code for transmitting at
5 least a portion of the first representation;

6 wherein the code for processing the information received from the first system
7 and the information received from the capture device to generate the first representation
8 comprises:

9 code for selecting a plurality of video frames from video information received
10 from the first system and from the capture device;
11 code for synchronizing the plurality of video frames with audio information
12 received from the first system and with audio information received from the capture device; and
13 code for storing information related to the plurality of video frames.

1 24. (Previously presented): The computer program product of claim 23
2 wherein the code for processing the information received from the first system
3 and the information received from the capture device to generate the first representation further
4 comprises:

5 code for generating a web page for each video frame in the plurality of video
6 frames, each web page including a video frame;
7 code for assigning a uniform resource locator (URL) to each web page; and
8 wherein the code for transmitting at least a portion of the first representation
9 comprises code for transmitting at least one URL assigned to a web page.

1 25. (Previously presented): The computer program product of claim 24
2 wherein the code for transmitting at least a portion of the first representation comprises:
3 code for receiving a request from a device identifying a first URL;
4 in response to the request, code for determining a first web page corresponding to
5 the first URL; and
6 code for transmitting the first web page to the device.

1 26. (Previously presented): The computer program product of claim 23
2 wherein the code for transmitting at least a portion of the first representation comprises:
3 code for receiving a request from a device requesting transmission of a set of
4 video frames from the plurality of video frames; and
5 in response to the request, code for transmitting the set of video frames to the
6 device.

1 27. (Currently amended): A system for communicating information received
2 during a multimedia presentation, the system comprising:

3 an input module; and
4 a communication module;

5 wherein the input module is configured to:

6 receive at least one of audio or video information from a first system, the
7 at least one of video information or audio information generated from a presentation file;

8 receive information from a capture device, the information received from
9 the capture device comprising at least one of audio or video information captured by the
10 capture device during the multimedia presentation;

11 perform differencing between a first video frame from a second video
12 frame of the video information received from the first system or the capture device;

13 select based on the differencing[[,]] at the adapter, a set of one or more
14 keyframes from the video information received from the first system or the capture
15 device in response to a user-configurable threshold; and

16 wherein the communication module is configured to communicate one or more
17 keyframes of the set of keyframes.

1 28. (Previously presented): The system of claim 27 wherein:

2 the input module is further configured to synchronize the audio information
3 received at the adapter with the selected set of keyframes.

1 29. (Previously presented): The system of claim 27 wherein the input module
2 includes a processor configured to store the set of keyframes in a memory coupled to the input
3 module.

1 30. (Previously presented): The system of claim 29 further configured to
2 receive a request from a device requesting transmission of a first portion of the set of keyframes,
3 and wherein:

4 the processor is configured to determine the first portion of the set of keyframes
5 requested by the device and corresponding audio information; and
6 the communication module is configured to communicate the first portion of the
7 set of keyframes and corresponding audio information to the device.

1 31. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of information received from the first system.

1 32. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of information received from the capture device.

1 33. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of audio information received from the first
3 system and the capture device.

1 34. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of video information received from the first
3 system and the capture device.

1 35. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of audio or video information received from the
3 first system and the capture device between a start time and an end time.

1 36. (Previously presented): The system of claim 29 wherein the processor is
2 further configured to select the set of keyframes as a plurality of video frames from video
3 information received by the input module, to synchronize the plurality of video frames with
4 audio information received by the input module, and to store information related to the plurality
5 of video frames.

1 37. (Previously presented): The system of claim 36 wherein:
2 the processor is configured to:

3 generate a web page for each video frame in the plurality of video frames,
4 each web page including a video frame; and
5 assign a uniform resource locator (URL) to each web page; and
6 the communication module is configured to communicate at least one URL
7 assigned to a web page.

1 38. (Previously presented): The system of claim 37 further configured to
2 receive a request from a device identifying a first URL, and wherein:
3 the processor is configured to determine a first web page corresponding to the
4 first URL; and
5 the communication module is configured to communicate the first web page to the
6 device.

1 39. (Previously presented): The system of claim 36 further configured to
2 receive a request from a device requesting transmission of a set of video frames from the
3 plurality of video frames, and wherein, in response to the request, the communication module is
4 configured to transmit the set of video frames to the device.

1 40. (Currently amended): A method of communicating information received
2 during presentation of information from a presentation file, comprising:
3 providing a physical adapter;
4 receiving, at the physical adapter, at least one of video information or audio
5 information from a first data processing system communicably coupled to the physical adapter,
6 the at least one of video information or audio information received during presentation of the
7 information from the presentation file and generated as a result of outputting contents of the
8 presentation file;
9 differencing between a first video frame and a second video frame, at the physical
10 adapter, of the video information received from the first data processing system;

11 selecting based on the differencing, at the physical adapter, a set of one or more
12 keyframes based at least upon the video information received from the first data processing
13 system in response to a user-configurable threshold; and

14 transmitting one or more keyframes of the set of keyframes to a second data
15 processing system, wherein the second data processing system is enabled to output the
16 information received from the adapter.

1 41. (Currently amended): The method of claim 1 wherein differencing
2 between a first video frame and a second video frame selecting the set of one or more keyframes
3 comprises comparing a first frame of video to a subsequent second frame of video and
4 identifying the second frame as different from the first frame; further comprising storing both the
5 first frame of video and the second frame of video.

1 42. (Previously presented): The method of claim 41 wherein identifying the
2 second frame of video as different from the first frame of video comprises comparing the
3 difference between the second frame of video and the first frame of video to a predetermined
4 threshold.

1 43. (Previously presented): The method of claim 41 wherein identifying the
2 second frame of video as different from the first frame of video comprises comparing image
3 pixels of the first frame of video and the second frame of video.

1 44. (Currently amended): The computer program product of claim 14 wherein
2 the code for differencing between a first video frame and a second video frame selecting the set
3 of one or more keyframes comprises code for comparing a first frame of video to a subsequent
4 second frame of video and identifying the second frame as different from the first frame; further
5 comprising code for storing both the first frame of video and the second frame of video.

1 45. (Previously presented): The computer program product of claim 44
2 wherein the code for identifying the second frame of video as different from the first frame of

3 video comprises code for comparing the difference between the second frame of video and the
4 first frame of video to a predetermined threshold.

1 46. (Previously presented): The computer program product of claim 45
2 wherein the code for identifying the second frame of video as different from the first frame of
3 video comprises code for comparing image pixels of the first frame of video and the second
4 frame of video.

1 47. (Currently amended): The computer program product of claim 14 wherein
2 the code for selecting the set of keyframes in response to the user-configurable threshold
3 comprises code for selecting frames of video at a predetermined sampling interval.